



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Antimicrobials Division (7510P)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

**EPA Reg. Number:**

75223-2

**Date of Issuance:**

9/26/19

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration  
 (under FIFRA, as amended)

**Term of Issuance:**

Conditional

**Name of Pesticide Product:**

PolySept Z100

**Name and Address of Registrant (include ZIP Code):**

PolyChem Alloy, Inc  
 240 PolyChem Ct.  
 Lenoir, NC 28645

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

**Signature of Approving Official:**

Zeno Bain, Product Manager 33  
 Regulatory Management Branch I  
 Antimicrobials Division (7510P)  
 Office of Pesticide Programs

**Date:**

9/26/19

2. Be aware that proposed data requirements have been identified in a Work Plan or proposed DCI. For more information on these proposed data requirements, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>
3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 75223-2.”
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 05/03/2018

If you have any questions, you may contact Aline Heffernan at 703-347-8602 or via email at [Heffernan.Aline@epa.gov](mailto:Heffernan.Aline@epa.gov).

Enclosure

POLYSEPT® Z100 ANTIMICROBIAL POWDER

An antimicrobial additive designed to inhibit the growth of mildew and bacteria when incorporated into plastics, rubbers, films, fibers, coatings, thermoplastic resins, injection molded and extruded parts during the manufacture of Non-Food/Non-Medical Products.

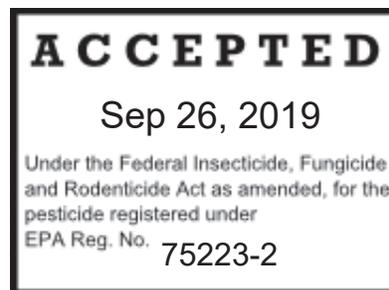
Active Ingredient:

Zinc, 2-pyridenethiol-1-oxide* .....	94.8%
Other Ingredients: .....	5.2%
Total:	100.0%

\*Zinc Pyrithione

MANUFACTURED FOR/BY:

PolyChem Alloy®, Inc.  
240 Polychem Ct.  
Lenoir, NC 28645



Made in Peoples Republic of China

EPA Reg. No.: 75223-XX

EPA Est. No.: 75223-NC-001

PolySept® is a registered trademark of PolyChem Alloy®, Inc.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS**

Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Users must wear protective eyewear (goggles, safety glasses, or face shield), long sleeved shirt and long pants, socks, chemical resistant gloves and chemical resistant footwear. Users must wear a fit tested, NIOSH approved full face respirator equipped with a combination organic vapor/P-100 prefilter. When mixing and loading, or cleaning equipment, wear a chemical resistant apron. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

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Note: Text in [Square Brackets] are notes to the label reviewer.

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## **FIRST AID [Front Panel]**

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Contact a poison control center or doctor for treatment advice.

**If Swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for treatment advice.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **IN CASE OF EMERGENCY CALL ChemTel @ 1-888.255.3924**

**ENVIRONMENTAL HAZARD:** This product is toxic to fish. Do not discharge effluent containing this product into ponds, lakes, streams, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact Local or State Water Authorities or the Regional Office of the EPA.

**CHEMICAL HAZARDS:** Dust clouds formed during the handling of this product are susceptible to ignition by static electric discharge. Ground/Bond container and receiving equipment before transferring material. Do not store or mix with strong oxidizing agents or concentrated acids. In case of contamination do not reseal container. If possible, isolate container in open or well-ventilated area. Fumes caused by contamination may be hazardous.

## **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal

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**STORAGE:** The storage area must be dry, well-lit, and well-ventilated. Keep pesticide storage areas clean. Do not store with strong oxidizing agents or concentrated acids. Do not expose to heat. Clean up any spills promptly.

**PESTICIDE DISPOSAL:** Pesticide wastes may be hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed of in accordance with local, state and federal regulations. When completely empty, offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration.

#### **Warranty Statement**

PolyChem Alloy® warrants that this product conforms to the chemical description on the label. PolyChem Alloy® makes no warranties of merchantability for a particular purpose or any other expressed or implied warranty as stated above.

**DIRECTIONS FOR USE:** It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Overview: PolySept® Z100, an antimicrobial powder for commercial use, is designed to be incorporated into polymers during extrusion or injection molding where the temperatures do not exceed 230°C and to be incorporated into textile fibers during or after spinning process to impart antimicrobial activity to manufactured products. PolySept® Z100 inhibits the growth of bacteria, algae, fungi, including mold, and mildew on these polymers and textiles. Testing of a specific formulation intended for use in a specific application is required to determine the optimum application rate. Application rates will depend on product performance requirements and anticipated environmental conditions during the products intended use. A range of application rates between 1000 and 5000 ppm is recommended for testing to determine what rate will be required for your product. Please contact PolyChem Alloy®, Inc. or its distributors for further instructions on PolySept® Z100 use and use levels.

PolySept® Z100 is used as an antimicrobial additive in the following non-food contact products.

**Apparel:** aprons, athletic shirts, bathrobes, bibs, dresses, footwear (including socks, innersoles and slippers), gloves, gowns, hats, hosiery, intimate apparel, incontinence briefs and panties (washable) and incontinence pad cover stock, jackets, oven mitts, scarves, shirts, slacks, sportswear, sweatpants,

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sweatshirts, uniforms, wet suits, work-wear. Application to textiles made of synthetics such as polyester and polyester blends should result in a finished product containing 0.067 to 0.34% by weight of PolySept® Z100.

**Construction and building materials:** Adhesives, awnings, bathtubs, cellulose materials (ceilings, partitions, tiles, walls), concrete, dry wall, gaskets, molding, Pearlite, toilets and toilet components, wall coverings, weather stripping, whirlpools. Addition of up to 4000 ppm of this product will inhibit microbial growth.

**Dry Film Preservation:** Adhesives, caulks, coatings (aqueous, solvent based, liquid, powder), foams, glazing compounds, grouts, joint compounds, paints (residential and industrial), patching compounds, sealants, wood fillers. Addition of up to 5000 ppm of this product will inhibit microbial growth.

**Films:** Bags (garment, garbage, vacuum), liners, shower curtains. Addition of up to 5000 ppm of this product will inhibit microbial growth.

**Flooring:** Athletic flooring and mats, carpet backings (rubber or rubber backed), carpet fibers, foam underlay for carpets, Linoleum, mats, non-food contact adhesives, rugs, sealer/wax components, synthetic floor coverings, Vinyl. Addition of up to 4000 ppm of this product will inhibit microbial growth.

**Home Furnishings and Housewares:** Bathtub appliques, drain boards, humidifier components, plastic furniture, shower curtains, sink mats, soap dish holders, sponges (non-food contact), storage containers, synthetic non-leather materials, textile-based (blankets, cloths, curtains, dishcloths, foam stuffing for cushions and mattresses, furniture fabrics, linens, mattress liners, mops, tarpaulins, upholstery), towel bars, vacuum cleaner components. Addition of up to 4000 ppm of this product will inhibit microbial growth.

**Industrial:** Air filters, air filtration components and media for industrial, hospital, residential, and commercial heating and cooling, appliance housings, automotive, boat, train and airplane interiors, conveyor belts, ductwork, hosing (non-food and non-portable water), janitorial supplies (brooms, buckets, mops), non-potable water pipe, non-surgical rubber gloves, wire and cable insulation. Addition of up to 4000 ppm of this product will inhibit microbial growth.

**Personal Products:** brush bristles (hair) and handles (hair, tooth), phones, razors, toothbrush receptacles (non-bristle contact). Addition of up to 4000 ppm of this product will inhibit microbial growth.

**Sporting Goods:** Camping equipment (nonfood contact), exercise equipment, playground equipment. Addition of up to 4000 ppm of this product will inhibit microbial growth.

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